

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	90563	(frame or bit\$2 or symbol\$2) NEAR3 error	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/12 09:52
L2	8155	training NEAR3 sequence	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/12 09:53
L3	1525912	denoiser or detector or demodulator or decoder	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/12 09:53
L4	8346	(training or pilot) NEAR1 sequence	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/12 09:54
L5	1728	I1 and I2 and I3 and I4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/12 09:54
L6	2004	(375/346).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/12 09:55
L7	82	I5 and I6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/12 09:56

## EAST Search History

L8	1421	(replac\$4 or substitut\$4 or change\$3) NEAR5 (input near3 (symbol or frame or alphabet))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/12 09:56
L9	1623738	controller	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/12 09:56
L10	462	l8 and l9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/12 09:56
S2	2	"20050163267"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/07 12:34
S3	14	((ITSCHAK) near2 (WEISSMAN)). INV.	US-PGPUB; USPAT	ADJ	ON	2007/04/07 12:44
S4	31	((ERIK) near2 (ORDENTLICH)). INV.	US-PGPUB; USPAT	ADJ	ON	2007/04/07 12:45
S5	67	((GADIEL) near2 (SEROUSSI)). INV.	US-PGPUB; USPAT	ADJ	ON	2007/04/07 14:04
S6	30	((MARCELO) near2 (WEINBERGER)).INV.	US-PGPUB; USPAT	ADJ	ON	2007/04/07 13:07
S7	17	((SERGIO) near2 (VERDU)).INV.	US-PGPUB; USPAT	ADJ	ON	2007/04/07 13:19
S8	3	"HEWLETT-PACARD COMPANY"	US-PGPUB; USPAT	ADJ	ON	2007/04/07 13:08
S10	72324	"HEWLETT-PACKARD"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/07 13:15

## EAST Search History

S11	4	("5533033"   "5596565"   "6161209"   "6199186").PN. OR ("7047472").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/07 13:16
S12	107003	(memory or stor\$4 or buffer or register) same (noise or degrad\$5 or denois\$3 or error or bug or defect) same (function or context\$3 or parameter\$3 or algorithm)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/07 14:20
S13	6722993	string or alphabet or sequence or stream or vector or symbol\$ or series or frame\$2 or packet\$2 or (sequence\$2 symbols\$)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/07 14:37
S14	84860	S12 and S13	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/07 14:25
S15	5757928	controll\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/07 14:29
S17	66693	S14 and S15	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/07 14:29
S18	10933632	(replac\$3 or substitut\$4 or correct\$4 or remov\$3 or chang\$3 or modif\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/07 14:34

## EAST Search History

S19	10933632	(replac\$3 or substitut\$4 or correct\$4 or remov\$3 or chang\$3 or modif\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/07 14:37
S20	6722993	string or alphabet or sequence or stream or vector or symbol\$ or series or frame\$2 or packet\$2 or (sequence\$2 symbols\$)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/07 14:38
S21	10933632	(replac\$3 or substitut\$4 or correct\$4 or remov\$3 or chang\$3 or modif\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/07 14:52
S22	6722993	string or alphabet or sequence or stream or vector or symbol\$ or series or frame\$2 or packet\$2 or (sequence\$2 symbols\$)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/07 14:42
S23	1145279	(replac\$3 or substitut\$4 or correct\$4 or remov\$3 or chang\$3 or modif\$4) with (string or alphabet or sequence or stream or vector or symbol\$ or series or frame\$2 or packet\$2 or (sequence\$2 symbols\$))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/07 14:49
S24	107003	(memory or stor\$4 or buffer or register) same (noise or degrad\$5 or denois\$3 or error or bug or defect) same (function or context\$3 or parameter\$3 or algorithm)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/07 14:51
S25	5757928	controll\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/07 14:52

## EAST Search History

S26	29272	S21 and S22 and S23 and S24 and S25	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/07 14:54
S27	2	"20050163267"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB.	ADJ	ON	2007/04/09 15:51
S29	3	"7047472"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 14:16
S30	72357	"HEWLETT-PACKARD"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 15:37
S33	4292	degrad\$4 near3 funct\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 16:14
S34	55	S30 and S33	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 16:14
S35	107017	(memory or stor\$4 or buffer or register) same (noise or degrad\$5 or denois\$3 or error or bug or defect) same (function or context\$3 or parameter\$3 or algorithm)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 17:37

## EAST Search History

S36	31712	(memory or stor\$4 or buffer or register) same (noise or degrad\$5 or denois\$3 or error or bug or defect) same (function or context\$3 or parameter\$3 or algorithm) SAME (string or alphabet or sequence or stream or vector or symbol\$ or series or frame\$2 or packet\$2 or (sequence\$2 symbols\$))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 17:49
S37	2001	(375/346).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 17:51
S38	5	S30 and S37	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 17:40
S39	16	("5325098"   "5923712"   "6064703"   "6226409"   "6243037"   "6256418"   "6314204"   "6396878"   "6480876").PN. OR ("6591146").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/09 17:47
S40	8206404	replac\$4 or substitut\$5 or correct\$5 or remov\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 17:50
S41	27149	S40 and S36	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 17:53
S43	4787	(714/746,800,752,763).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 17:52

## EAST Search History

S44	294	S41 and S43	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 18:14
S45	102	S37 and S41	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 18:28
S46	55	"6161209"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 17:54
S47	102	S37 and S45	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 18:28
S48	12	S37 and S43	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/10 06:50

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	6	"6598197"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/11 11:13
S2	5	"5781564"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/11 11:13
S3	11	("4047151"   "4497055"   "4517600"   "4639920"   "4641309"   "4716565"   "5483577"   "5600821").PN. OR ("5781564").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 11:21
S4	467722	image near3 process\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/11 11:23
S5	434	conroller	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/11 11:26
S6	1421	(replac\$4 or substitut\$4 or change\$3) NEAR5 (input near3 (symbol or frame or alphabet))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/11 11:26
S7	1622705	controller	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/11 11:27



## EAST Search History

S8	462	S6 and S7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/11 11:27
S9	0	signal near3 regradation	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/11 11:28
S10	19918	signal near3 degradation	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/11 11:28
S11	11	S8 and S10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/11 11:52
S12	8146	training NEAR3 sequence	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/11 11:53
S13	90496	(frame or bit\$2 or symbol\$2) NEAR3 error	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/11 11:53
S14	1525277	denoiser or detector or demodulator or decoder	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/11 11:55

## EAST Search History

S15	1906	S12 and S13 and S14	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/11 12:06
S16	2003	(375/346).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/11 11:55
S17	88	S15 and S16	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/11 11:55
S18	58947	("714"/\$).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/11 12:06
S19	58947	S18 and S18	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/11 12:06
S20	4	S18 and S1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/11 12:07
S21	124	S18 and S15	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/11 13:58

## EAST Search History

S22	11	("20020086641"   "20020154620"   "20030065409"   "20030086514"   "5854808"   "6278685"   "6553534"   "6772388"   "6772437"   "6829307"   "6895043").PN. OR ("7152025").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 13:11
S23	2	"2005163267"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/11 13:58
S24	2	"20050163267"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/11 13:58
S25	90496	(frame or bit\$2 or symbol\$2) NEAR3 error	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/11 21:56
S26	506	(memory\$3 or stor\$4 or buffer\$3 or register\$3) NEAR3 (training or pilot) NEAR1 sequence	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/11 22:36
S27	2599195	controller or detector	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/11 21:58
S28	133	S25 and S26 and S27	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/12 00:39

## EAST Search History

S29	2003	(375/346).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/11 22:29
S30	30	S26 and S29	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/11 22:29
S31	4	"7010607"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/11 22:29
S32	12	("4570220"   "4584684"   "4674037"   "5548732"   "5600793"   "5835498"   "5961616"   "6202096"   "6493320"   "6493343"   "6667993").PN. OR ("7010607"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 22:30
S33	0	S26 and S32	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/11 22:30
S34	6	S27 and S32	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/11 22:32
S35	72416	"HEWLETT-PACKARD"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/11 22:33

## EAST Search History

S36	8	S26 and S35	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/11 22:39
S37	8336	(training or pilot) NEAR1 sequence	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/11 22:34
S38	3	112 and S35	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/11 22:34
S39	8	S36 and S35	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/11 22:35
S40	23928	S27 and S35	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/11 22:36
S41	1286	S25 and S40	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/11 22:36
S42	6260323	(memory\$3 or stor\$4 or buffer\$3 or register\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/11 22:36

## EAST Search History

S43	1248	S41 and S42	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/11 22:37
S44	22	S43 and S37	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/11 22:37
S45	5	S29 and S35	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/11 22:39
S46	85	("4087654"   "4247940"   "4464545"   "4489416"   "4682358"   "4800573"   "4924492"   "5008903"   "5052000"   "5251328"   "5285474"   "5317596"   "5400322"   "5436930"   "5461640"   "5479447"   "5509028"   "5574990"   "5579535"   "5710792"   "5710981"   "Re31253").PN. OR ("6055268").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 22:40
S47	23	("20010014116"   "20020041635"   "20020150176"   "5578923"   "5623511"   "6121927"   "6141393"   "6154486"   "6229842"   "6233273"   "6289062"   "6370183"   "6421334"   "6515978"   "6614836"   "6618452"   "6661857"   "6680967"   "6765894"   "6765969"   "6778592"   "6850505"   "6990345").PN. OR ("7149239"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 22:44
S48	37	("5111298"   "5161017"   "5321512"   "5512959").PN. OR ("5886748").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 22:50

## EAST Search History

S49	17	("5029186"   "5263026"   "5432821"   "5471501"   "5592235"   "5692006"   "5802241"   "5805638"   "5822340"   "5886748"   "5909465"   "5923378"   "5943372"   "5963599"   "6044111"   "6141393"   "6356605").PN. OR ("7187726"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 22:54
S50	12	S28 and S29	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/11 22:55
S51	18	("5323421"   "5363412"   "5440582"   "5541955"   "5809009"   "5881097"   "5905946"   "5936979"   "5995499"   "6115435"   "6137824"   "6192038"   "6337855"   "6353913"   "6463294"   "6567475"   "6721374"   "6792053").PN. OR ("7016434").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 22:56
S52	157	("4277845"   "4545054"   "4630314"   "4641327"   "4660214"   "4685149"   "4716575"   "4748626"   "4862464"   "4868830"   "4873701"   "4884272"   "4890316"   "4891788"   "4932029"   "4945548"   "4945549"   "4985707"   "4991184").PN. OR ("5541955"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 23:00
S53	2	"20040085917"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/12 00:39

## EAST Search History

S54	2	"20050163267"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/12 09:05
S55	1	"7196573"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/12 09:38
S56	7	"5764658"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/12 09:41
S57	10	"6058658"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/12 09:40
S58	4	"6058216"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/12 09:40
S59	9	"6848080"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/12 09:41